

## PolyE Polyethylene Tubing

Harvard Apparatus' PolyE polyethylene tubing is an excellent tubing choice for a variety of applications requiring small ID or OD tubing. It is available in both sterile and non-sterile packages. It can be used for infusions, tracheotomies or other surgical operations in rodents from mice to rabbits. Cross reference numbers to PE tubing is provided. Blunt probe needles can be used with this tubing to make custom cannulae. Information in the table will assist in needle selection. One column lists the size of needle which will fit into the tubing while the other column lists the size of needle through which each tubing size will pass.

### Sterile PolyE Polyethylene Tubing

NEEDLE GAUGE				
ORDER #	PE No.	Diameter ID x OD	Needle In Tubing	Tubing In Needle
<b>Length 30.5 cm (12 in)</b>				
PC2 59-8357	50	0.58 x 0.965 mm (0.023 x 0.038 in)	23 g	17 g
<b>Length 91.45 cm (36 in)</b>				
PC2 59-8358	50	0.58 x 0.965 mm (0.023 x 0.038 in)	23 g	17 g
PC2 59-8360	90	0.86 x 1.27 mm (0.034 x 0.050 in)	20 g	15 g
PC2 59-8364	190	1.19 x 1.70 mm (0.047 x 0.067 in)	18 g	13 g
PC2 59-8370	240	1.67 x 2.42 mm (0.066 x 0.095 in)	15 g	10 g

### PolyE Tubing Size Cross Reference Chart

Use this chart below to determine comparable sizes of PolyE and French scale tubing

French* Number	PolyE Number	OD (in)	French* Number	PolyE Number	OD (in)
1	-	0.013	6.2	420	0.082
1.8	100	0.024	7	-	0.092
2	-	0.026	7.2	460	0.095
2.4	140	0.031	8	-	0.105
2.9	200	0.038	8.1	380	0.106
3	160	0.039	9.0	500	0.118
3.2	120	0.043	9.8	520	0.128
3.8	260	0.050	10	-	0.131
4	-	0.052	11	540	0.145
4.6	280	0.060	11.6	605	0.153
4.7	320	0.062	12.3	580	0.161
5	-	0.066	13	-	0.171
5.1	340	0.067	14	-	0.184
5.9	300	0.078	15	-	0.197
6	-	0.079	16	-	0.210
			17	-	0.223
			17.9	680	0.236

\* French Scale = OD (in) x 76.211 - 0.0014

### Non-Sterile PolyE Polyethylene Tubing

Tubing Length 3m (10 ft)	30.5 m (100 ft)	PE No.	Diameter ID x OD mm (in)	Needle Gauge French Scale*	Needle Gauge Needle into Tubing	PE # Tubing into Needle	PolyE Equiv.
PC2 59-8321	PC2 59-8322	10	0.28 x 0.61 (0.011 x 0.024)	1.8	30 g	20 g	100
PC2 59-8323	PC2 59-8324	20	0.38 x 1.09 (0.015 x 0.042)	3.2	27 g	16 g	120
PC2 72-0191	PC2 72-0192	-	0.40 x 0.80 (0.016 x 0.031)	2.4	26 g	18 g	140
PC2 59-8325	PC2 59-8326	50	0.58 x 0.96 (0.023 x 0.038)	2.9	23 g	17 g	200
PC2 59-8329	PC2 59-8330	90	0.86 x 1.27 (0.034 x 0.050)	3.8	20 g	15 g	260
PC2 59-8331	PC2 59-8332	100	0.86 x 1.52 (0.034 x 0.060)	4.6	20 g	14 g	280
PC2 72-0195	PC2 72-0196	-	1.02 x 1.98 (0.04 x 0.078)	5.9	18 g	12 g	300
PC2 59-8341	PC2 59-8342	240	1.67 x 2.42 (0.066 x 0.095)	7.2	14 g	10 g	460
PC2 59-8343	PC2 59-8344	260	2.0 x 3.0 (0.079 x 0.118)	9.0	14 g	8 g	500
PC2 59-8345	PC2 59-8346	280	2.16 x 3.25 (0.085 x 0.128)	9.8	13 g	8 g	520
PC2 59-8347	PC2 59-8348	320	2.45 x 3.7 (0.096 x 0.145)	11.1	12 g	7 g	540
PC2 59-8349	PC2 59-8350	330	2.8 x 4.1 (0.110 x 0.161)	12.3	11 g	6 g	580
PC2 59-8351	PC2 59-8352	350	3.0 x 3.88 (0.118 x 0.153)	11.6	10 g	6 g	605
PC2 59-8355	PC2 59-8356	380	4.0 x 6.0 (0.157 x 0.236)	17.9	9 g	NA	680

\* French Scale = OD (in) x 76.211 - 0.0014